Information Technology Laboratory

Corps of Engineers Enterprise Infrastructure Services

Background

The Corps of Engineers Enterprise Infrastructure Services (CEEIS) provides the Corps' primary information technology (IT) infrastructure. This asset consists of world-class corporate data processing and global networking, enabling the Corps' command and control, scientific and engineering missions, programs, and business processes. Functionality and capability are provided in a manner that remains robust and viable, meeting customer performance expectations while maintaining a secure and cost-conscientious culture. CEEIS serves the Corps' $15.25 billion enterprise (CERM – FY02 integrated Resource Command Information) from the Program Manager's Office and Central Processing Center located at the Information Technology Laboratory, ERDC, in Vicksburg, MS, and the Western Processing Center located at the Northwestern Division, Portland District, in Portland, OR.

Objective

Provide a world-class corporate data processing and global networking system to enable the Corps' command and control, scientific and engineering missions, programs, and business processes.

Specifications

- Network Operations:
  o Frame-relay/T1 connections between 60+ sites world-wide (Divisions, Districts, laboratories, field operating agencies).
  o Processing centers connected by 4 MBs frame-relay circuit.
  o Three Internet gateways (capable of up to 45 MBs at the two processing centers and Headquarters, U.S. Army Corps of Engineers, and two NIPRnet gateways at the two processing centers).
  o Quality of service devices for bandwidth management and Web caching.
- Processing Centers (Central and Western):
  o Systems, OS: Unix, NT, and Citrix
  o Database: Oracle and Sybase
- Security:
  o Firewalls and intrusion detection measures implemented at all Districts/Divisions, network gateways, and production systems.

Benefits

As the USACE information systems and network communications infrastructure provider, CEEIS:
- Facilitates Corps-wide data administration and secured information exchange.
- Provides the necessary worldwide automation and communications environment for the development, deployment, operation and maintenance of corporate resources and legacy systems.
- Provides a customer service hot line for reporting, recording, and resolving customer problems, 24 hours per day, 365 days per year.
- Provides enhanced productivity and quality products.

Contact

E-mail: itlotd@erdc.usace.army.mil

ERDC
Engineer Research and Development Center